

**REDIRECTING FEEDTHROUGH LENS ANTENNA SYSTEM
AND RELATED METHODS**

Cross-Reference to Related Applications

[0001] This application is a continuation-in-part of U.S. Application No. 10/634,036^{us patent 6856297} filed August 4, 2003, which is hereby incorporated herein in its entirety by reference.

Field of the Invention

[0002] The present invention relates to the field of communications systems, and more particularly, to phased array antennas.

Background of the Invention

[0003] Existing microwave antennas include a wide variety of configurations for various applications, such as satellite reception, remote broadcasting, or military communication. The desirable characteristics of low cost, light weight, low profile and mass producibility are provided in general by printed circuit antennas. The simplest forms of printed circuit antennas are microstrip